

Title (en)
RENEWABLE ENERGY SYSTEM HAVING A DISTRIBUTED ENERGY STORAGE SYSTEMS AND PHOTOVOLTAIC COGENERATION

Title (de)
SYSTEM FÜR ERNEUERBARE ENERGIE MIT VERTEILTEN ENERGIESPEICHERSYSTEMEN UND FOTOVOLTAISCHER CO-ERZEUGUNG

Title (fr)
SYSTÈME D'ÉNERGIE RENOUVELABLE AYANT UN SYSTÈME DE STOCKAGE D'ÉNERGIE DISTRIBUÉE ET UNE COGÉNÉRATION PHOTOVOLTAÏQUE

Publication
EP 3566278 A4 20201021 (EN)

Application
EP 17889620 A 20171130

Priority
• US 201715401312 A 20170109
• US 2017063972 W 20171130

Abstract (en)
[origin: US2018195495A1] A renewable energy system has a plurality of turbine separately connected to a line so as to form a turbine string, a plurality of turbine transformers separately and respectively connected to the plurality of turbines, a plurality of energy storage systems separately and respectively connected to the plurality of turbine transformers so as to store energy from the turbines, and a distribution transformer connected to the turbine strings so as to raise a voltage from the turbine strings to a grid voltage. The plurality of turbines are wind power turbine systems. The energy storage system is either a battery or a capacitor. A photovoltaic array can be connected to each turbine.

IPC 8 full level
H02J 3/38 (2006.01); **F03D 9/00** (2016.01); **F03D 9/11** (2016.01); **F03D 9/25** (2016.01); **H02J 1/10** (2006.01); **H02J 3/32** (2006.01); **H02J 3/46** (2006.01)

CPC (source: EP US)
F03D 9/007 (2013.01 - EP US); **F03D 9/11** (2016.05 - EP US); **F03D 9/257** (2017.01 - EP US); **H02J 3/32** (2013.01 - EP US); **H02J 3/381** (2013.01 - EP US); **H02J 1/102** (2013.01 - EP US); **H02J 2300/24** (2020.01 - EP US); **H02J 2300/28** (2020.01 - EP US); **H02J 2300/40** (2020.01 - EP); **Y02E 10/56** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP US); **Y02E 10/76** (2013.01 - EP); **Y02E 70/30** (2013.01 - EP)

Citation (search report)
• [IY] US 9077204 B2 20150707 - MORE EDUARDO J [US], et al
• [A] US 2011215640 A1 20110908 - DONNELLY FRANK WEGNER [CA], et al
• [Y] US 2012223580 A1 20120906 - PECK GORDON [CA]
• [A] WO 2016167816 A1 20161020 - SIEMENS AG [DE], et al
• [A] DE 102015109724 A1 20151224 - GEN ELECTRIC [US]
• See references of WO 2018128731A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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